

# Work Order ID 66716

Thursday, February 24, 2011 11:39:54 AM



Page 1

Item ID: D3281-4L02

Accept



Setup Start



Revision ID:

Stop



Item Name: Floor Protector, Aft RH (Black)

Start Date: 2/25/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 3/11/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan:

*[Signature]*

Date: 11-02-24

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D3281

Rev *F* *De*

DSI 9504

A

100

0.00



HAND FINISHING THERMOFORMING

Thermoform

Memo

0.00

Thermoforming Machine

Cut Blanks

*x4*

*De*  
11/03/02

105

0.00



Dry Material

HandThermo

Memo

0.00

Hand Finishing Thermoforming

Dry Sheet as per QSI022 POLYCARBONATE

*x4*

*De*  
11/03/02

Temp: *240°F*

Time IN: *4:00 am 11/03/01*

Time OUT: *7:00 am 11/03/02*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Page 2

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Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110  Thermoform Thermoforming Machine	THERMOFORMING MACHINE  Memo Thermoform as per Dwg. D3281 and Folio FTA 010 Dwg. Rev. <u>F</u> Folio Rev. <u>D</u>	0.00  0.00				x 4			DH 11/03/02
120  QC Quality Control	QC2- Inspect parts off machine FAI/FAIB  Memo	0.00  0.00				x 4			DH 11/03/02
130  Thermoform Thermoforming Machine	HAND FINISHING THERMOFORMING  Memo Trim to Finished Dimensions	0.00  0.00				x 4			DH 11/03/07

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Page 3

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Revision ID:

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Cust Item ID:

Required Date: 3/11/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140  QC Quality Control	QC2- Inspect parts off machine FAI/FAIB  Memo	0.00  0.00				x4			Sh 11/03/07
150  QC Quality Control	QC5- Inspect part completeness to step on W/O  Memo	0.00  0.00				(x4)			5/11/03/08
160  Packaging Packaging	Packaging  Memo	0.00  0.00				11/3/09			(40)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Page 4

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Cust Item ID:

Required Date: 3/11/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170 	QC21- Final Inspection - Work Order Release	0.00							
QC Quality Control	Memo	0.00							

11/3/9  
11-03-9  
(4)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

Thursday, February 24, 2011 11:39:59 AM

Page 1

Work Order ID: 66716



Parent Item: D3281-4L02



Parent Item Name: Floor Protector, Aft RH (Black)

Start Date: 2/25/2011

Required Date: 3/11/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A ☐ 04.07.01 ☐ New issue ☐ KJ/JLM  
IPP Rev B 07.08.07 Thermoform in house DL  
ADd Step 105 Dry Material 10/04/21 DL

IPP Rev. C

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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MLEXS.093-F6006-02

Purchased

No

sf

744.3100

17.332



GE PLASTICS LEXAN SHEET

Location

Loc Qty

Loc Code

therm

744.31

110877

744.31

17,332 sq ft

DL  
11/03/07

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D044-719 REV. A  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D044-719 REV. 0  
REF TCCA STC: SH04-40  
REF FAA STC: SR02051NY  
REF EASA STC: EASA.IM.R.S.01075

## PURPOSE:

To add the D044-719-011L08 Clear Cabin Floor Protectors. The -011L08 kit is similar to the existing -011 kit, however the plastic is transparent instead of solid black. The existing D044-719-011 kit will be re-identified as D044-719-011L02.

## CHANGE:

The D044-719-011L08 Cabin Floor Protectors kit consists of four transparent plastic trays that are placed on the cabin floor to protect the carpets from damage. The -011L08 kit should be installed per the -011 kit of Installation Instructions IIN-D044-719 and maintained per Instructions for Continued Airworthiness ICA-D044-719. The parts list and weight & balance for the -011L08 kit is given below.

## PARTS LIST

QTY -011L02	QTY -011L08	Part Number	Description
X		D044-719-011L02	Cabin Floor Protectors (Black)
	X	D044-719-011L08	Cabin Floor Protectors (Clear)
1		D3281-1L02	Floor Protector, Fwd LH, Black
	1	D3281-1L08	Floor Protector, Fwd LH, Clear
1		D3281-2L02	Floor Protector, Fwd RH, Black
	1	D3281-2L08	Floor Protector, Fwd RH, Clear
1		D3281-3L02	Floor Protector, Aft LH, Black
	1	D3281-3L08	Floor Protector, Aft LH, Clear
1		D3281-4L02	Floor Protector, Aft RH, Black
	1	D3281-4L08	Floor Protector, Aft RH, Clear
8	8	D2854-1-100	Looped Velcro Strip
8	8	D2854-3-100	Hooked Velcro Strip

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SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 46716  
2111-02-26

## WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D044-719-011L02	3.9 lb	0 in	0 in-lb	50 in	195 in-lb
Cabin Floor Protectors	1.8 kg	0 m	0 m-kg	1.27 m	2.3 m-kg
D044-719-011L08	4.4 lb	0 in	0 in-lb	50 in	220 in-lb
Cabin Floor Protectors	2.0 kg	0 m	0 m-kg	1.27 m	2.5 m-kg

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: [Signature]  
D. SHEPHERD (DE # 02)

DATE: 10.02.24  
CERT. NO.: SH04-40  
ISSUE NO.: 1

A	NEW ISSUE	CP	10.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	<u>99</u>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	<u>99</u>		
CHECKED	<u>[Signature]</u>	DRAWING NO.	REV. A
MFG. APPR.	<u>N/A</u>	DSI 9504	SHEET 1 OF 1
APPROVED	<u>[Signature]</u>	TITLE	SCALE
DE APPR.	<u>[Signature]</u>	FLOOR PROTECTOR KIT, CLEAR	NTS
DATE	10.02.24	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

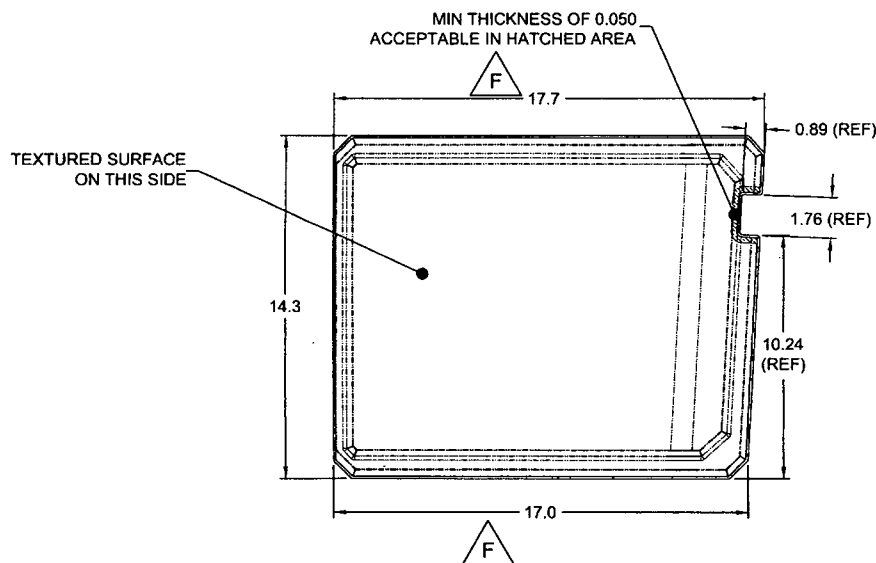
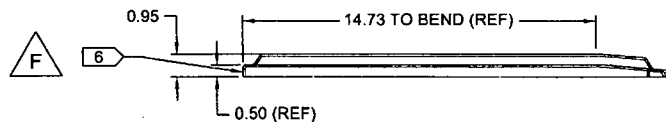
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

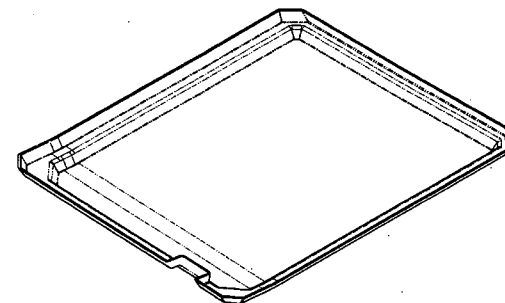
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

8 7 6 5 4 3 2 1



**D3281-4 FLOOR PROTECTOR**



SHOP COPY  
RETURN TO  
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SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. *66-714*

*RD-02-26*

RELEASED  
2010-11-25

**D3281-4 NOTES:**

- 1) MATERIAL: -4L02 = LEXAN F6006, BLACK No. 701, 0.093" THICK (MLEXS.093-F6006-02)  
-4L08 = LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 MAX
- 6) IDENTIFICATION: IDENTIFICATION: IDENT WITH DART P/N "D3281-4Lxx" AND B/N PER QSI 044 6.4 ALONG PERIMETER OF PART AS SHOWN.
- 7) WEIGHT: D3281-4L02 = 0.87 lb D3281-4L08 = 1.05 lb
- 8) THERMOFORM WITH MOLD D3281-4T1 PER DART QSI 022; TRIM AS SHOWN  
MINIMUM THICKNESS AFTER FORMING: 0.070" EXCEPT WHERE INDICATED

DESIGN	<i>9</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>9</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>9</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>9</i>	D3281	SHEET 4 OF 4
APPROVED	<i>9</i>	TITLE	SCALE
DE APPR.	<i>9</i>	FLOOR PROTECTOR	NTS
DATE	10.09.27	COPYRIGHT © 2004 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

8 7 6 5 4 3 2 1

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**NOTE:** Date & initial all entries

<b>DART AEROSPACE LTD</b>		<b>Work Order:</b>	66716
<b>Description:</b> Floor Protector, Aft RH		<b>Part Number:</b>	D3281-4
<b>Inspection Dwg:</b> D3281	<b>Rev:</b> EF DL	<b>Page 1 of 1</b>	

## FIRST ARTICLE INSPECTION CHECKLIST

### THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than 0.1875"	✓			
Shape Definition	✓			
Texture Retention	✓			
Material imperfections such as bumps, cracks, voids, scratching	✓			

<b>Measured by:</b>	DL	<b>Date:</b>	11/03/02
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### TRIMMING SECTION

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
17.8	+/-0.100	17.7"	✓		T-m DL-01	
17.1	+/-0.100	17.065"	✓		"	
14.3	+/-0.100	14.3"	✓		"	
0.95	+/-0.030	0.977"	✓		Ver DL-01 DL-02	
0.050	Min	0.057"	✓		"	
0.070	Min	0.074"	✓		"	

<b>Measured by:</b>	DL	<b>Date:</b>	11/03/07
<b>Audited by:</b>	JB	<b>Date:</b>	11/03/08
<b>Preliminary Approval:</b>	N/A	<b>Date:</b>	N/A

Rev	Date	Change	Revised by	Approved
A	08.02.28	New Issue	KJ/DL	
B	08.04.16	Dimensions updated per Dwg Rev D	KJ/DL	
C	10.09.01	Dimensions updated per Dwg Rev E	KJ	DL